

CENTRAL INTELLIGENCE AGENCY

S-E-C-R-E-T

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COUNTRY Hungary

## REPORT

**SUBJECT**

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25X1

## REFERENCES

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SOURCE EVALUATIONS ARE DEFINITIVE

experimental institutes in Budapest: [redacted] reports concerning

1. Telecommunications Experimental Institute (Hiradastechnikai Kiserleti Intezet). The report gives the location of the institute and the names of some of the leading personnel, information on security measures, and rates of pay. The report also states that experiments and tests were carried out on the following radio sets: a guidance radio for guided missiles, a microwave transmitter-receiver, a radio for jet aircraft, an unjammable ship radio, and the model R-20 radio.  
(Two pages.)
2. Army Military Technical Experimental Institute, Signal Experimental Station (Honved Haditechnikai Kiserleti Intezet, Hirado Kiserleti Allomas). The report gives the location of the institute and the relative locations of the various buildings by means of a sketch with explanatory legend. It gives a general description of the installation, a list of the vehicles assigned to the institute, a list of machine tools available, and some information on rates of pay, but it contains no information on the experimental work of the institute.  
(Four pages.)

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SECRET 25X1

4./ Personnel: a) the director was a former Russian general [redacted]

[redacted] the deputy director was Capt Sandor NAGY, military engineer  
and AVH officer; the group chiefs were Jozsef IGNAC for assembly, [redacted]

25X1

25X1

25X1

[redacted] and Ferenc BODOR for control [supervision

25X1

or auditing]; b) the staff consisted of 25 persons, 3 of whom were women.

5./ Working time and shifts: 8 hours a day in one shift.

6./ Mechanical equipment: equipment and installations needed for the experiments and tests.

Everything was brand new and everything was brought by the Russians.

The same applies to the sets brought in for testing; [redacted]

25X1

7./ Tasks: They experimented on and tested ready-made radio sets which they then sent directly to the USSR.

With one exception, they did not know the designations of these sets.

They did experiments and tests on five types of radios: 1) a radio for guided rockets which was to guide this rocket; 2) a micro-wave transmitter-receiver; 3) a radio for a jet airplane; 4) an ~~un-jammable~~ un-jammable.

SECRET

SECRET

ship radio; and 5) the R-20 model radio.

8./ Capacity: They were not bound to a time limit. If one set checked out, and experimentation on it was finished, work continued on the next sets.

9./ There were no norms.

10./ Shipment: When they finished with the tests on a set, the Soviet <sup>City</sup> ~~Headquarters~~ in Budapest took them away. The finished sets went to the Soviet Union. Serial manufacture was <sup>underway</sup> ~~already~~ underway there.

Only the R-20 sets were made in Hungary. Siemens was preparing to undertake manufacture of one of the models.

11./ Security: a) the receptionist was an AVH officer; a Russian officer supervised with him; b) only party members could work in the plant, the groups of workers were completely reliable; c) there were alarm bells everywhere; d) photocell equipment monitored the entering and exiting of the workers; e) one person was assigned to watch passers-by, <sup>and</sup> if the same person passed the building several times in a short time then he was asked for his papers on the next corner; during work time, secret police patrolled in front of the building; f) there were five dogs which were let loose in the yard at night; g) there is a 2-meter stone base iron fence with alarm equipment inside it; h) those entering the gate could be photographed by a camera which had been built in.

12./ Wages: A pay officer came on the first and fifteenth of every month from the Russian <sup>headquarters</sup> ~~command~~ in Budapest; he handed over envelopes which had been prepared in advance. The envelopes were sealed; there was no need to sign. The director got 7,500 [forints per month]; the deputy director, 6,000; group chiefs, 4,500-5,000; workers, 3,000-3,500.

If they finished with something quickly, they got special premiums <sup>of</sup> between 5,000 and 10,000 forints per person.

13./ Qualifications: All the workers were graduate electrical engineers. There were several among them who had completed their studies in the USSR before '45 and who had returned to Hungary after '45. Worker discipline and morale were good.

SECRET

SECRET

PERSONAL FILE:

*Military*  
Army ~~Technical~~ *local* Experimental Institute, Signal Experimental Station.

- 1./ Address of organization and institute: Torokbalint, Pis~~italy~~<sup>Italy</sup>. The stamp of the unit bears the name Pis~~italy~~<sup>Italy</sup>.
- 2./ He had not heard of a post office box number.
- 3./ Situation: See attached sketch for location and ground plan of the institute.

Guide to the numbers on the sketch: 1) guard, truck garage, technical offices, and main entrance; 2) experimental shop; 3) office building; 4) EM building; 5) landscaped area with a swimming pool in the middle; 6) canteen, kitchen, and mess hall; 7) warehouse; 8) back gate; 9) military rifle range, ~~which~~ <sup>which</sup> does not belong to the institute; 10) new road which leads to the institute; 11) radio station.

The entire institute lies on a gently <sup>sloping</sup> hill side; the area is completely open and ~~can~~ can be well seen from the road leading to it.

The new road is filled with cinders.

All the buildings of the institute are one-story buildings of the new type. There are four bunk rooms, one guard room, and a day room in the EM's building.

The shop building is a so-called "hangar building" and there is a truck garage part in it.

- 4./ Organization: a) headquarters; b) technical detail; and c) truck detail.
- 5./ Personnel: 11 officers; 2 non-coms; 34 enlisted men without rank; 6 male civilian employees; 2 female civilian employees; and a 30-man guard.

SECRET

SECRET

25X1

6./ Equipment: a) weapons; rifles, pistols, submachine guns, and machine guns;  
 b) clothing; regular as in other units, the civilian employees wore black uniforms; c) vehicles; 1 jeep, 1 Csepel weapons carrier, 1 Raba personnel carrier, 1 57-K Tatra sedan, 1 ZIS with 10 wheels, and <sup>one Model</sup> 250 Csepel motor cycle;  
 d) other, <sup>one</sup> 6-cylinder GENERALS engine to drive the generator.

7./ Officers: institute commander, Lt Andras HANGA; technical chief, Lt Istvan LOFT.

8./ Activities: Except for officers' <sup>refresher</sup> ~~extension~~ training and political training there was no training at the institute.

Once each month there was a <sup>alarm</sup> ~~raid~~ drill for the army personnel only.

The institute prepared radar signal trucks, or rather it prepared the equipment for these trucks.

The working time was from Monday to Thursday, 0800 hours to 1600 hours; Friday, 0800 hours to 1400 hours; and Saturday, 0800 hours to 1300 hours.

9./ Collar patches and insignia: a) officers and civilian employees, dark blue; b) EM, wine red (service troops); c) insignia for both officers and EM was signal corps, the civilian employees had none.

10./ Subordination: The <sup>Military</sup> ~~Technology~~ Central Institute (Haditechnikai Kozponti Intezet), Budapest, 6 Szilagyi Erzsébet boulevard in Budagyongye.

Previously the area of the institute had been a cemetery. The institute was established there in 1950 and ~~it~~ <sup>§</sup> had previously been at 1 Daroczi-ut. Only the materials inspection section remained ~~##~~ on Daroczi-ut.

11./ Guard stations: the five guard stations are indicated on the sketch by red points.

12./ Mechanical equipment: 1 new-type bench lathe, 5 vice benches, 2 bench drills, 1 electric hand drill, 1 grinding machine, 1 work bench, 1 sheet metal cutter, electric and oxygen welding devices.

13./ Semi-finished goods came from the Csepel Auto Factory <sup>under their own power.</sup> ~~by truck.~~

Some of the units had already been installed in the trucks in Siemens, in Gamma, and in the Csepel Iron Works.

25X1

14./ Shipment: When a truck was finished it was immediately taken to a domestic experimental site.

\* [Hungarian commentator, see point 17, says "RADAR TRUCKS".]

SECRET

SECRET

25X1

15./ Wage relationships: The army personnel were paid monthly according to their rank and assignment.

Civilian employees: truck driver, 1,100-1,400 [forints per month]; assembler, 960; female typist, 1,100-1,400; kitchen girl, 960.

16./ Fences: The institute had a wire fence on 2-meter-high concrete poles with wire screen on the front and with barbed wire on the back.

17./ Other:

a)

25X1

b) The radio station marked with number 11 consists of three towers about 60 meters high with a building among them.

At the time, blue AVH guarded this object.

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[Guide to sketch: "Hirado kiserleti intezet" means "Signal experimental institute", "erdo" means "forest", "nord" means "north", "nach" means "to", all other words are proper names.]

[KAMARA ERDO means CROWN FOREST, probably STATE FOREST under the present regime.]

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